

## Product datasheet for **RG225610**

### TACC1 (NM\_001122824) Human Tagged ORF Clone

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | TACC1 (NM_001122824) Human Tagged ORF Clone                                    |
| Tag:                      | TurboGFP                                                                       |
| Symbol:                   | TACC1                                                                          |
| Synonyms:                 | Ga55                                                                           |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                        |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                         |
| ORF Nucleotide Sequence:  | >RG225610 representing NM_001122824<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGGCGTTTACGCCGTGGCAGATCCTGTCCCCGTGCAGTGGGCGAAATGGACGTGGTCTGCGGTACGCG  
 GCGGGGCCGCGGCGAGGACGAGGCTGGCGGGCCGAGGGCGACCCGAGGAGGAGGATTCGCAAGCCGA  
 GACCAATCCTTGAGTTTCAGGAGTGGCTGTAAGGTGAAGAAGCATGAACTCAGTCTCTCGCCCTGGAT  
 GCATGTTCTCGGGATGAAGGGGCAGTGATCTCCAGATTTTCAACATTTCTAATAGGGATGGCCATGCTA  
 CTGATGAGGAGAACTGGCATCCACGTCATGTGGTCAGAAATCAGCTGGTCCGAGGTGAAAGGTGAGCC  
 AGAGGAAGACCTGGAGTACTTTGAATGTTCCAATGTTCTGTGTCTACCATAAATCATGCGTTTTATCC  
 TCAGAAGCAGGCATAGAGAAGGAGACGTGCCAGAAGATGGAAGAAGACGGGTCCACTGTGCTTGGGCTGC  
 TGGAGTCTCTGCAGAGAAGGCCCTGTGTGCGTGTCTGTGGAGGTGAGAGCCCCCTGGATGGGATCTG  
 CCTCAGCGAATCAGACAAGACAGCCGTGCTCACCTTAATAAGAGAAGAGATAATTACTAAAGAGATTGAA  
 GCAATGAATGGAAGAAGAAATACGAAGAGACCCGCAAGAAATTTTGGAGATGAGGAAAATTGTAGCTG  
 AATATGAAAAGACTATTGCTCAAATGATTGAAGATGAACAAAGGACAAGTATGACCTCTCAGAAGAGCTT  
 CCAGCAACTGACCATGGAGAAGGAACAGGCCCTGGCTGACCTTAATCTGTGAAAGGTCCCTTTCTGAT  
 CTCTTCAGGAGATATGAGAACCTGAAAGGTGTTCTGGAAGGGTTCAAGAAGAATGAAGAAGCCTTGAAGA  
 AATGTGCTCAGGATTACTTAGCCAGAGTTAAACAAGAGGAGCAGCGATACCAGGCCCTGAAAATCCACGC  
 AGAAGAGAACTGGACAAAGCCATGAAGAGATTGCTCAGGTTTCAACAAAAGCAAAAGGCTGAGAGTGCA  
 GCTCTCCATGCTGGACTCCGCAAGAGCAGATGAAGGTGGAGTCCCTGGAAGGGCCCTGCAGCAGAAGA  
 ACCAAGAAATTGAAGAACTGACAAAAATCTGTGATGAGCTGATTGCAAGCTGGGAAAGACTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225610 representing NM\_001122824  
 Red=Cloning site Green=Tags(s)

MAFSPWQILSPVQWAKWTWSAVRGAAGEDEAGGPEGDPPEEDSQAETKSLSFRSGCKVKKHETQSLALD  
 ACSRDEGAVISQISDISNRDGHATDEEKLASTSCGQKSAGA EVKGEPEEDLEYFEC SNVPSTINHAFSS  
 SEAGIEKETCQKMEEDGSTVLGLLESSAEKAPVSVSCGGESPLDGICLSESDKTAVLTLIREEIIITKEIE  
 ANEWKKKYEETRQEVLEMRKIVAEYEKTI AQMIEDEQRTSMTSQKSFQQLTMEKEQALADLNSVERSLSD  
 LFRRYENLKGVL EGFKKNEEALKKCAQDY LARVKQEEQRYQALKIHAEEKLDKANEEIAQVRTKAKAESA  
 ALHAGLRKEQMKVESLERALQQKNQIEELTKICDELI AKLGKTD

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001122824

**ORF Size:** 1185 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001122824.2](#)

**RefSeq Size:** 6572 bp

**RefSeq ORF:** 1188 bp

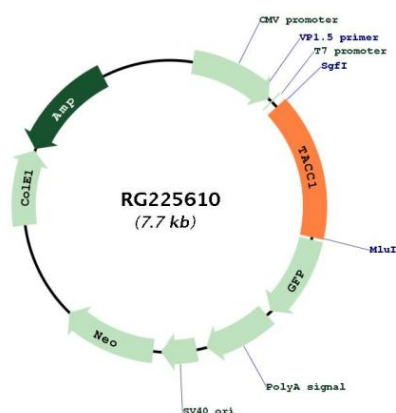
**Locus ID:** 6867

**UniProt ID:** [O75410](#)

**Cytogenetics:** 8p11.22

**Gene Summary:** This locus may represent a breast cancer candidate gene. It is located close to FGFR1 on a region of chromosome 8 that is amplified in some breast cancers. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2017]

## Product images:



Circular map for RG225610